

SEQUENCE LISTING

<110> UAB Research Foundation

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WU, Hongju

<120> METHODS AND COMPOSITIONS FOR IN VIVO
INFLAMMATION MONITORING

<130> 21085.0050P1

<140> Unassigned

<141> 2004-09-23

<150> 60/505,543

<151> 2003-09-23

<160> 29

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<223> Description of Artificial Sequence; note =
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aagcacatcg tagtcatgct catgcagata aaggcaggta agtcccggaa ccaccacaga 35160
aaaagacacc atttttctct caaacatgtc tgcgggtttc tgcataaaca caaaataaaa 35220
taacaaaaaa acattttaaac attagaagcc tgtcttacaa caggaaaaac aacccttata 35280
agcataagac ggactacggc catgccggcg tgaccgtaaa aaaactggtc accgtgatta 35340
aaaagcacca ccgacagctc ctccggtcatg tccggagtca taatgtaaga ctccgtaaac 35400
acatcagggtt gattcatcgg tcagtgtctaa aaagcgaccg aaatagcccg ggggaatata 35460
taccgcgagg cgtagagaca acattacagc ccccatagga ggtataacaa aattaatagg 35520
agagaaaaac acataaacac ctgaaaaacc ctctgtccta ggcaaaatag caccctcccg 35580
ctccagaaca acatacagcg cttcacagcg gcagcctaac agtcagcctt accagtaaaa 35640
aagaaaacct attaaaaaaa caccactcga cacggcacca gctcaatcag tcacagtgtg 35700
aaaaagggcc aagtgcagag cgagtatata taggactaaa aaatgacgta acggttaaaag 35760
tccacaaaaa acaccagaa aaccgcacgc gaacctacgc ccagaaacga aagccaaaaa 35820
accacaact tcctcaaatc gtcacttccg ttttcccacg ttacgtaact tcccatttta 35880
agaaaaactac aattcccaac acatacaagt tactccgccc taaaacctac gtcacccgcc 35940
ccgttcccac gcccgcgcc acgtcacaaa ctccaccccc tcattatcat attggttca 36000
atccaaaata aggtatatta ttgatgatg 36029

```

<210> 6

<211> 720

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<221> misc_feature

<222> 693,709

<223> n = g, a, c or t(u)

<400> 6

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ttcaactagg tgtcctcgga tcccacgaag tgaaaattaa acacttttct ccgtatcacg 60
aagtgaaaat taaacacttt tctccgtatg gatcccatca ccatcaccat cacctagggt 120
cacctaaata tgccgataaa acatttcaac ctgaacctca aataggagaa tctcagtggg 180
acgaaacaga aattaatcat gcagctggga gagtcctaaa aaagactacc ccaatgaaac 240
catgttacgg ttcatatgca aaacccacaa atgaaaatgg agggcaaggc attcttgtaa 300
agcaacaaaa tggaaagcta gaaagtcaag tggaaatgca atttttctca actactgagg 360
cagccgcagg caatgggtgat aacttgactc ctaaagtggg attgtacagt gaagatgtag 420
atatagaaac ccagacact catatttctt acatgccac tattaaggaa ggtaactcac 480
gagaactaat gggocaacaa tctatgccca acaggcctaa ttacattgct tttagggaca 540
atthttattg tctaattgat tacaacagca cgggtaatat ggggtgtctg gcgggccaag 600
catcgcagtt gaatgctgtt gtagatttgc aagacagaaa cacagagctt tcataccagc 660
ttttgcttga ttccattggg gatagaacca ggntactttt ctatgtggna tcaggctggg 720

```

<210> 7

<211> 719

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<221> misc_feature

<222> 2,3,4,10,12,16,17,42,715,719

<223> n = g, a, c or t(u)

<400> 7

```

cnnnggaggn cnttcnnata ggtgtcgaag gtcaaacc tnaatatgcc gataaaacat      60
ttcaacctga acctcaaata ggagaatctc agtggtacga aacagaaatt aatcatgcag    120
ctgggagagt cctaaaaaag actaccccaa tgaaaccatg ttacggttca tatgcaaac      180
ccacaaatga aatggaggg caaggcattc ttgtaaagca aaaaatgga aagctagaaa     240
gtcaagtgga aatgcaattt ttctcaacta ctctcggatc ccacgaagtg aaaattaaac     300
acttttctcc gtatcacgaa gtgaaaatta aacacttttc tccgtatgga tcccatcacc     360
atcaccatca cctaggttca ttgactccta aagtgggtatt gtacagtga gatgtagata     420
tagaaacccc agacactcat atttcttaca tgcccactat taaggaagg aactcacgag     480
aactaatggg ccaacaatct atgcccaaca ggcctaatta cattgctttt agggacaatt     540
ttattgggtc aatgtattac aacagcacgg gtaatatggg tgttctggcg ggccaagcat     600
cgcagttgaa tgctgttgta gatttgcaag acagaaacac agagctttca taccagcttt     660
tgcttgattc cattgggtgat agaaccagggt acttttctat gtggaatcag gctgntgan     719

```

<210> 8

<211> 108

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<400> 8

```

ctcggatccc acgaagtga aattaaacac ttttctccgt atcacgaagt gaaaattaaa      60
cacttttctc cgtatggatc ccatcaccat caccatcacc taggttca                  108

```

<210> 9

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<400> 9

```

Leu Gly Ser His Glu Val Lys Ile Lys His Phe Ser Pro Tyr His Glu
 1             5             10            15
Val Lys Ile Lys His Phe Ser Pro Tyr Gly Ser His His His His
      20             25             30

```

```

His Leu Gly Ser
      35

```

<210> 10

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<400> 10

```

His Glu Val Lys Ile Lys His Phe Ser Pro Tyr
 1             5             10

```

<210> 11

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<400> 11

Gly Gly Gly Gly Ser
1 5

<210> 12

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<400> 12

Leu Gly Ser His His His His His His Leu Gly Ser
1 5 10

<210> 13

<211> 3

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<400> 13

Lys Gly Ser
1

<210> 14

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<400> 14

cctacgcacg acgtgaccac ag

22

<210> 15

<211> 62

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<400> 15

tgaacctagg tgatggtgat ggtgatggga tccgaggaca cctatttgaa taccctcctt
tg

60

62

<210> 16
 <211> 61
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence; note =
 synthetic construct

<400> 16
 ctcgatccc atcaccatca ccatcaccta ggttcaccta aatatgcoga taaaacattt 60
 c 61

<210> 17
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence; note =
 synthetic construct

<400> 17
 ctagggagct ctgcagaacc atg 23

<210> 18
 <211> 60
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence; note =
 synthetic construct

<400> 18
 tgaacctagg tgatggtgat ggtgatggga tccgagttcg taccactgag attctcctat 60

<210> 19
 <211> 60
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence; note =
 synthetic construct

<400> 19
 ctcgatccc atcaccatca ccatcaccta ggttcaactg aaattaatca tgcagctggg 60

<210> 20
 <211> 61
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence; note =
 synthetic construct

<400> 20
 tgaacctagg tgatggtgat ggtgatggga tccgagagta gttgagaaaa attgcatttc 60
 c 61

<210> 21
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence; note =
synthetic construct

<400> 21
ctcggatccc atcaccatca ccatcaccta ggttcattga ctcctaaagt ggtattgtac 60

<210> 22
<211> 61
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence; note =
synthetic construct

<400> 22
tgaacctagg tgatggtgat ggtgatggga tccgagagtg ggcattgtaag aaatatgagt 60
g 61

<210> 23
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence; note =
synthetic construct

<400> 23
ctcggatccc atcaccatca ccatcaccta ggttcaaact caccagaact aatggggc 58

<210> 24
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence; note =
synthetic construct

<400> 24
tgaacctagg tgatggtgat ggtgatggga tccgagaggt ttaccttg taagagtctc 60

<210> 25
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence; note =
synthetic construct

<400> 25
ctcggatccc atcaccatca ccatcaccta ggttcattggg aaaaagatgc tacagaattt 60

tc

62

<210> 26

<211> 60

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<400> 26

tgaacctagg tgatggtgat ggtgatggga tccgagtgga aagcagtaat ttggaagttc 60

<210> 27

<211> 63

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<400> 27

ctcggatccc atcaccatca ccatcaccta ggttcaaata attttgccat ggaaatcaat 60
cta 63

<210> 28

<211> 720

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =
synthetic construct

<221> misc_feature

<222> 1-14, 123-720

<223> n = g, a, c or t(u)

<400> 28

```

nnnnnnnnnn nnnnctcgga tcccacgaag tgaaaattaa acacttttct ccgtatcacg      60
aagtgaataa taaacacttt tctccgatg gatcccatca ccatcaccat cacctagggt      120
cannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      600
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      660
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      720

```

<210> 29

<211> 720

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence; note =

synthetic construct

<221> misc_feature

<222> 1-282, 390-720

<223> n = g, a, c or t(u)

<400> 29

nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	60
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	120
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnctcggatc	ccacgaagtg	aaaattaaac	300
acttttctcc	gtatcacgaa	gtgaaaatta	aacacttttc	tccgtatgga	tcccatcacc	360
atcaccatca	cctaggttca	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720